IN THE CLAIMS

Please cancel all prior lists of claims in the application and insert the following list of claims:

1. (PREVIOUSLY PRESENTED) A DNA expression construct comprising, in 5' to 3' order: a promoter, the promoter operationally linked to a DNA sequence encoding streptokinase, wherein the streptokinase has an amino acid as encoded in the DNA sequence of SEQ. ID. NO. 3, and wherein the expression construct drives formation of inclusion bodies comprising enzymatically-active streptokinase in a host cell transformed to contain the expression construct.

2. (ORIGINAL) The DNA expression construct of Claim 1, wherein the promoter is a λpR-λpL promoter.

3. (ORIGINAL) The DNA expression construct according to Claim 1, wherein the DNA sequence encoding streptokinase has a DNA sequence of SEQ. ID. NO. 3.

4. (CURRENTLY AMENDED) A method of producing streptokinase comprising transforming a host cell with an expression construct ~~according to Claim 1,~~ **comprising, in 5' to 3' order: a promoter, the promoter operationally linked to a DNA sequence encoding streptokinase, wherein the streptokinase has an amino acid as encoded in the DNA sequence of SEQ. ID. NO. 3, and wherein the expression construct drives formation of inclusion bodies comprising enzymatically-active streptokinase in a host cell transformed to contain the expression construct;** and **then** heating inducing the host cell, whereby the host cell expresses inclusion bodies comprising enzymatically-active streptokinase.

5. (ORIGINAL) The method of claim 4, wherein the host cell is an *E. coli* cell.

Claims 6-7. (CANCEL)

8. (ORIGINAL) The method according to Claim 4, further comprising:
inoculating culture media with the transformed host; and
fermenting the transformed host.

9. (ORIGINAL) The method according to Claim 8, further comprising isolating the enzymatically-active streptokinase produced.

10. (ORIGINAL) The method according to Claim 9, wherein the enzymatically-active streptokinase is isolated by steps comprising:
(a) pelleting the transformed host;
(b) disrupting the transformed host to release the inclusion bodies and partitioning the released inclusion bodies;
(c) isolating the partitioned inclusion bodies;
(d) solubilizing the isolated inclusion bodies;
(e) diafiltering the solubilized inclusion bodies;
(f) purifying the diafiltered inclusion bodies by ion exchange chromatography and then by gel permeation chromatography to separate fractions containing the streptokinase; and
(g) diafiltering the fractions containing the streptokinase.

11. (PREVIOUSLY PRESENTED) A genetically-engineered host cell which expresses enzymatically-active streptokinase comprising: a host cell transformed to contain an expression construct comprising, in 5' to 3' order: a promoter, the promoter operationally linked to a DNA sequence encoding streptokinase, wherein the streptokinas has an amino acid sequence as encoded by the DNA

sequence of SEQ. ID. NO. 3, wherein the expression construct drives formation of inclusion bodies comprising enzymatically-active streptokinase in the host cell.

Claims 12-21. (CANCEL)